

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-025765**Date Inspected:** 27-Jul-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Mr. Wang Zhou**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Segment Assembly**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Ramesh Gade, was present during the times noted above for observations relative to the work being performed.

**Bay 14 / SA Connection Plates**

This QA Inspector observed the following work in progress:

Flux Core Welding (FCAW) in the 1G position of weld # SA3035-001-003. The welder is identified as 055564. ZPMC Quality Control (QC) is identified as Zhou Peng. The welding variables recorded by QC appeared to comply with WPS-B-T 2231-ESAB.

**Bay 14 / SA Connection Plates**

This QA Inspector observed the following work in progress:

Flux Core Welding (FCAW) in the 1G position of weld # SA3049-001-003. The welder is identified as 055491. ZPMC Quality Control (QC) is identified as Zhou Peng. The welding variables recorded by QC appeared to comply with WPS-B-T 2231-ESAB.

**Bay 14 / SA Connection Plates**

This QA Inspector observed the following work in progress:

Flux Core Welding (FCAW) in the 1G position of weld # SA3035-006-007. The welder is identified as 050242.

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## WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

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ZPMC Quality Control (QC) is identified as Zhou Peng. The welding variables recorded by QC appeared to comply with WPS-B-T 2231-ESAB.

Bay 14 / SA Connection Plates

This QA inspector performed verification Magnetic Particle Testing (MT) approximately 15% of the area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA Inspector generated MT report for this date. The member is identified as SA Connection Plates welds, as per notification # 9822.

The weld designations reviewed are as follows:

SA7049-001-001, 003, 005, 007  
SA7019-001-001, 003  
SA7035-001-001, 003, 005, 007  
SA7035-002-003, 007  
SA7035-003-003, 007  
SA7035-004-003, 007  
SA7035-005-003, 007  
SA7035-006-003, 007  
SA7035-007-003, 007  
SA7035-008-003, 007

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No relevant conversations reported on this date.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang (+86)15000 42 2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Gade,Ramesh	Quality Assurance Inspector
<b>Reviewed By:</b>	McClendon,Timothy	QA Reviewer

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